


Form PTO-1449		U.S. Department of Commerce Patent and Trademark Office			Atty. Docket No. P23697		Serial No. 10/646,698	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)					Applicant Hiroshi NOMURA			
					Filing Date August 25, 2003		Group 2873	



U.S. PATENT DOCUMENTS													
EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
[Handwritten marks]	2004	/0	0	4	2	0	9	5	03/04/04	NOMURA			
	2004	/0	0	4	2	0	9	3	03/04/04	NOMURA			
	2004	/0	0	6	2	5	3	6	04/01/04	NOMURA			
	2004	/0	0	5	1	9	6	8	03/18/04	NOMURA			
	2004	/0	0	5	1	9	7	0	03/18/04	NOMURA			
	2004	/0	0	6	2	5	3	7	04/01/04	NOMURA			
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	2004	/0	0	4	2	0	9	2	03/04/04	NOMURA			
		4	5	2	5	0	5	0	06/25/85	OHASHI			
		4	6	4	3	5	5	5	02/17/87	WAKABAYASHI			
		4	7	2	1	9	7	2	01/26/88	WAKABAYASHI			
		4	7	9	2	8	2	2	12/20/88	AKIYAMA et al.			
		5	8	1	8	6	4	7	10/06/98	NISHIO et al.			
		6	0	3	1	9	9	8	02/29/00	SHONO			
		4	4	5	1	1	2	9	05/29/84	IKARI et al.			

EXAMINER <u>D. Gray</u>	DATE CONSIDERED <u>8/16/04</u>
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*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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		4 6 4 3 5 5 4	02/17/87	OGAWA					
		4 7 7 1 3 0 3	09/13/88	MATSUMOTO et al.					
		4 8 8 7 1 0 7	12/12/89	NAKAMURA et al.					
		5 1 3 6 3 2 4	08/04/92	TSUBOI et al.					
		5 7 6 5 0 4 9	06/09/98	HASE et al.					
		5 8 3 2 3 2 6	11/03/98	TANAKA					
		6 3 6 6 3 2 3	04/02/02	SHONO					
		6 1 1 5 1 9 0	09/05/00	HIRAI					
		6 0 6 4 5 3 3	05/16/00	KENIN et al.					
	2003	/0	0 8 1 3 2 5	05/01/03	NOMURA et al.				
	2001	/0	0 2 4 5 7 3	09/27/01	NOMURA et al.				
	2002	/0	1 3 5 9 0 0	09/26/02	NOMURA et al.				
		6	0 7 5 6 5 5	06/13/00	FUNAHASHI				
	2002	/0	1 3 5 9 0 1	09/26/02	NOMURA et al.				
	2003	/0	0 8 1 3 2 7	05/01/03	NOMURA et al.				
	2002	/0	1 3 5 8 9 6	09/26/03	NOMURA et al.				
		6	0 5 5 1 1 6	04/25/00	NOMURA et al.				
		6	2 0 4 9 7 7	03/20/01	IWASA				
		5	4 3 0 5 1 6	07/04/95	UZIIE et al.				
	2003	/0	0 8 1 9 4 8	05/01/03	NOMURA et al.				
2001	/0	0 1 9 4 5 8	09/06/01	NOMURA et al.					
	4	9 9 3 8 1 5	02/19/91	YAMAZAKI et al.					
	5	7 3 1 9 1 3	03/24/98	IMANARI					
	5	7 3 9 9 6 2	04/14/98	ASAKURA et al.					
2003	/0	1 5 6 8 3 2	08/21/03	NOMURA et al.					
	5	5 8 7 7 5 4	12/24/96	KATAYAMA et al.					
	6	0 5 2 5 3 5	04/18/00	UNO					
EXAMINER <u>D. Gray</u>				DATE CONSIDERED <u>8/16/04</u>					
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BY APPLICANT
(Use several sheets if necessary)Applicant
Hiroshi NOMURAFiling Date
August 25, 2003Group
2873

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		5	2	2	3	8	7	3	06/29/93	TSUBOI			
		5	0	8	6	3	1	2	02/04/92	TANAKA et al.			
		5	4	9	9	1	4	3	03/12/96	SAKAMOTO et al.			
		6	0	6	9	7	4	5	05/30/00	FUJII et al.			
		6	3	2	4	0	1	9	11/27/01	TAKANASHI et al.			
		5	4	8	5	3	1	5	01/16/96	NOMURA et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
	58	-	1	4	5	9	3	0	08/31/83	JAPAN				
	61	-	-	6	9	0	0	2	04/09/86	JAPAN				
	61	-	2	7	0	7	3	7	12/01/86	JAPAN				
	63	-	1	4	9	6	2	9	06/22/88	JAPAN				
	64	-	3	4	6	2	3	03/02/89	JAPAN				X	
	6	-	1	8	7	7	7	01/28/94	JAPAN				X	
	7	-	1	9	1	2	4	9	07/28/95	JAPAN				
	11	-	1	0	9	2	0	3	04/23/99	JAPAN				
	58	-	1	0	7	0	8	01/21/83	JAPAN					
	2	3	4	4	6	6	1	06/14/00	UNITED KINGDOM					
	2	2	6	2	3	5	6	06/16/93	UNITED KINGDOM					
	2003	-	2	0	7	7	0	9	07/25/03	JAPAN				
	2	3	0	9	5	5	1	07/30/97	UNITED KINGDOM					
	2	3	4	4	6	6	2	06/14/00	UNITED KINGDOM					
	2	2	6	1	2	9	8	05/12/93	UNITED KINGDOM					
	2002	-	2	7	7	7	1	9	09/25/02	JAPAN				

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		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO		
	10	-	2	8	2	3	9	4	10/23/98	JAPAN					
	58	-	1	6	2	9	1	4	09/27/83	JAPAN					
		0	6	3	4	6	8	0	01/18/95	E.P.O.					
		10	-	3	2	7	4	0	02/03/98	JAPAN			X		
	7	-	2	8	8	7	2	4	10/31/95	JAPAN			X		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
	1	English Language Abstract of JP 58-10708.
	2	English Language Abstract of JP 2003-207709.
	3	English Language Abstract of JP 2002-277719.
	4	English Language Abstract of JP 10-282394.
	5	English Language Abstract of JP 58-162914.

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